

Abstract:

The present invention refers to a thermoplastic multilayer composite (4) in the form of a hollow body, which is formed by at least one inner layer (1) on the basis of polyamides, at least one inter-mediate layer (2) as well as at least one thermoplastic outer layer (3). Furthermore, the present invention relates to a process for making such a thermoplastic multilayer composite as well as to the use of such a thermoplastic multilayer composite as a tubing in particular for fuels. In particular in the context of the use as a tubing for fuels the proposed multilayer structure shows to be surprisingly resistant against zinc chloride and against petrol comprising peroxide while at the same time having a simple structure, if the inner layer (1) is based on a mixture of different polyamide homopolymers, and if the inner layer (1) additionally comprises a compatibilizer.

(Fig. 1)